

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A dishwasher comprising:

a sump housing to hold for holding washing water having an opening in a side;

a heater assembly fastened to an inside of the sump housing for heating to heat the washing water; and

a pump fastened to the sump housing for pumping to pump washing water heated by the heater assembly, the pump comprising an impeller mounted above the heater assembly for pumping the washing water, a motor mounted to an outside of the sump housing and a shaft for transmission of driving force from the motor to the impeller,

wherein the heater assembly can be attached or detached to the sump housing by passing through the opening, which is positioned between a bottom of the sump housing and the impeller.

2. (Canceled)

3. (Currently Amended) The dishwasher as claimed in claim [[2]] 1, further comprising:

a water guide assembly mounted on an upper side of the sump housing having a space to mount an impeller and having a supply channel to supply washing water to at least one spray arm;

wherein the impeller is mounted on the space of the water guide to pump washing water stored in the sump housing to the supply channel, and

the shaft connects the impeller with the motor to pass through a bottom of the water guide and the bottom of the sump housing.

~~wherein the pump includes; an impeller in the sump housing for pumping the washing water from above the heater assembly, a motor under the sump housing, and a shaft passed through a bottom of the sump housing for transmission of driving force from the motor to the impeller.~~

4. (Original) The dishwasher as claimed in claim 3, further comprising a disposer rotatably mounted in the sump housing between the impeller and the bottom of the sump housing for smashing soil contained in the washing water.

5. (Original) The dishwasher as claimed in claim 4, wherein the impeller and the disposer are driven by the same motor.

6. (Canceled)

7. (Currently Amended) The dishwasher as claimed in claim [[6]] 1, wherein the heater assembly is provided to a bottom of the sump housing.

8. (Canceled)

9. (Currently Amended) The dishwasher as claimed in claim [[8]] 1, wherein the heater assembly is designed not to interfere with components in the sump housing when the heater assembly is inserted into the sump housing or drawn out of the sump housing through the opening.

10. (Currently Amended) The dishwasher as claimed in claim [[9]] 4, wherein the heater assembly is designed not to interfere with the disposer when the heater assembly is separated from the sump housing.

11. (Original) The dishwasher as claimed in claim 10, wherein the heater assembly includes; a heater passed through the opening for heating the washing water, and a packing inserted in the opening for sealing the opening, and the heater passing therethrough.

12. (Original) The dishwasher as claimed in claim 11, wherein the heater assembly further includes a clamp fastened to the sump housing for holding the heater.

13. (Original) The dishwasher as claimed in claim 11, wherein the heater assembly includes a pressing mechanism for pressing down to deform the packing, to seal the opening completely.

14-16. (Canceled)

17. (Currently Amended) A dishwasher comprising:

a tub for placing dishes therein;

a sump housing to hold for holding washing water having an opening in a side;

a heater assembly fastened to an inside of the sump housing for heating to heat the washing water;

a pump fastened to the sump housing for pumping to pump washing water heated by the heater assembly, the pump comprising an impeller mounted above the heater assembly to pump the washing water, a motor mounted to an outside of the sump housing and a shaft for transmission of driving force from the motor to the impeller; and

at least one spray nozzle to spray the washing water supplied from the impeller to the dishes in the tub,

wherein the heater assembly can be attached or detached to the sump housing by passing through the opening, which is positioned between a bottom of the sump housing and the impeller.

18. (Currently Amended) The dishwasher as claimed in claim 17, wherein the heater assembly is detachable from the sump housing from an outside of the sump housing.

further comprising:

a water guide assembly, mounted on an upper side of the sump housing, having a space to mount an impeller and having a supply channel to supply washing water to the at least one spray arm;

wherein the impeller is mounted on the space of the water guide to pump washing water stored in the sump housing to the supply channel, and

the shaft connects the impeller with the motor to pass through a bottom of the water guide and the bottom of the sump housing.

19-20. (Canceled)